AMENDMENT

Please replace all prior versions and listings of claims with the following listing of claims.

LISTING OF CLAIMS:

1. (**Currently Amended**) A mobile system responsive to a user generated natural language speech utterance, comprising:

a speech unit that receives <u>a</u> the user generated natural language speech utterance <u>from a user</u> and <u>converts encodes</u> the received <u>user generated</u> natural language speech utterance into an electronic signal; <u>and</u>

a natural language speech processing system that receives, processes, and responds to the electronic signal encoded natural language speech utterance using data received from a plurality of domain agents, wherein the natural language speech processing system includes:

<u>a speech recognition engine</u> that <u>identifies recognizes</u> at least one of <u>words or phrases in the encoded natural language speech utterance using a query or a command from the <u>received electronic signal using</u> data <u>received from the supplied by a plurality of domain agents;</u></u>

a parser that interprets the recognized words or phrases using the data received from the plurality of domain agents, wherein the parser interprets the recognized words or phrases by:

determining a context for the natural language speech utterance;

<u>selecting that selects</u> at least one <u>of the plurality of</u> domain agent <u>agents</u>

<u>based on associated with the determined context; and</u>

transforming the recognized words or phrases into at least one of a question identified query or a command from among the plurality of domain agents, and that forwards the identified query at least one question or command formulated in a grammar that to the selected domain agent, wherein the selected domain agent uses to process is an autonomous executable that

receives, processes, and responds to the identified query formulated question

or command; and

an agent architecture that communicatively couples the selected domain agent having access to services of associated with each of an agent manager, a system agent, the plurality of domain agents, [[;]] and an agent library, wherein a transceiver in communication with the selected domain agent, wherein the transceiver receives a response to the identified query or command from the selected domain agent uses the

communicatively coupled services to create a response to the formulated question or

command and format transmits an electronic message associated the received

response for presentation to the user.

2. (Currently Amended) The mobile system according to claim 1, wherein the natural

language speech processing system further includes an event manager that sends and receives

events to components of the natural language speech processing system to coordinate

coordinates interaction among a plurality of the components of associated with the natural

language speech processing system.

3. (Cancelled)

4. (Currently Amended) The mobile system according to claim [[3]] 1, wherein the

received response includes a text string[[,]] and wherein the natural language speech

processing system further includes a text to speech engine that creates an encoded uses the

data supplied by the plurality of domain agents to convert the text string to a speech message

to be annunciated to included in the transmitted-electronic message user.

5. (Cancelled)

6. (Previously Presented) The mobile system according to claim 1, wherein the selected

domain agent includes data associated with at least one of driving directions, travel

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information, restaurant information, vehicle systems information, safety information, or entertainment information.

7. (Previously Presented) The mobile system according to claim 1, wherein the selected

domain agent includes data for communicating with one or more devices.

8. (Previously Presented) The mobile system according to claim 7, wherein the data for

communicating with the one or more devices includes data for controlling the one or more

devices.

9. (Cancelled)

10. (Currently Amended) The mobile system according to claim [[9]] 1, wherein at least

one of the one or more devices is associated with a vehicle.

11. (Currently Amended) The mobile system according to claim 10, wherein at least one of

the speech unit[[,]] or the natural language speech processing system, or the transceiver is

located remotely from the vehicle.

12. (Previously Presented) The mobile system according to claim 10, wherein the device

associated with the vehicle is at least one of a navigation system, a vehicle monitoring system,

a security system, a vehicle control system, or a vehicle media system.

13. (Currently Amended) The mobile system according to claim 1, wherein the

communicatively coupled services include transmitted electronic message is sent to at least

one remotely located service and the selected domain agent includes data for controlling or

communicating with the remotely located service.

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14. (Previously Presented) The mobile system according to claim 13, wherein the remotely

located service includes at least one of a payment service provider, a customer relationship

management system, a specialized service, a location service, or an emergency service.

15. (Currently Amended) The mobile system according to claim 13, wherein the speech

unit and the natural language speech processing system each include respective transceivers

that communicate transmitted electronic message is transmitted via a communication

network.

16. (Original) The mobile system according to claim 15, wherein the communication

network is a wide area wireless network.

17. (Currently Amended) The mobile system according to claim [[1]] 15, wherein the

transceiver is a wide-area RF transceiver.

18. (Currently Amended) The mobile system according to claim 1, wherein the speech unit

includes at least one of a speech coder that encodes the natural language speech utterance

into the electronic signal, an array microphone that receives the natural language speech

utterance, or and a filter that optimizes a signal to noise ratio of the encoded natural language

speech utterance.

19. (Original) The mobile system according to claim 18, wherein the filter employs adaptive

echo cancellation.

20. (Original) The mobile system according to claim 18, wherein the array microphone is at

least a one-dimensional array.

21. (Original) The mobile system according to claim 18, wherein the speech coder uses an

adaptive lossy audio compression.

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22. (Currently Amended) The mobile system according to claim 1, wherein the speech unit

is located remotely from at least one of the natural language speech processing system or the

transceiver.

23. (Previously Presented) The mobile system according to claim 1, further comprising at

least one of a display or a keypad.

24. (Currently Amended) The mobile system according to claim 1, further comprising a

telematics control unit that interfaces with one or more devices on a vehicle.

25. (Currently Amended) The mobile system according to claim 24, wherein at least one of

the speech unit[[,]] or the natural language speech processing system, or the transceiver is

embedded in the telematics control unit.

26. (Currently Amended) The mobile system according to claim 1, wherein at least one of

the speech unit[[,]] or the natural language speech processing system, or the transceiver is

embedded into in at least one of a vehicle, a handheld device, a fixed computer, or a mobile

computer device.

27. (Currently Amended) The mobile system according to claim 1, wherein the

communicatively coupled services include further comprising at least one network resource

shared by a plurality of devices, the shared network resource including at least one of the

speech unit, the natural language speech processing system, the transceiver, the plurality of

agents, user profiles, event histories, or dialogue histories.

28. (Currently Amended) A method responsive to a user generated natural language

speech utterance, comprising:

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receiving, at a speech unit, the user generated <u>a</u> natural language speech utterance[[;]], wherein the speech unit encodes converting the received user generated natural language speech utterance into an electronic signal;

recognizing, at a speech recognition engine, identifying at least one of words or phrases in the encoded natural language speech utterance, wherein the speech recognition engine uses a query or a command from the electronic signal using data supplied by received from a plurality of domain agents to recognize the words or phrases;

determining, at a parser, a context for the natural language speech utterance;

selecting, at the parser, at least one of domain agent from among the plurality of domain agents, the selected domain agent associated with the identified query or command based on the determined context;

transforming, at the parser, the recognized words or phrases into at least one of a question or a command, the at least one question or command formulated in a grammar that the selected domain agent uses to process the formulated question or command; and

forwarding the identified query formulated question or command to an agent architecture, the agent architecture communicateively coupling selected domain agent, wherein the selected domain agent is an autonomous executable that receives, processes, and responds to the forwarded query or command, the selected domain agent having access to services of associated with each of an agent manager, a system agent, the plurality of domain agents[[;]], and an agent library, wherein receiving a response to the forwarded query or command from the selected domain agent uses the communicatively coupled services to create a response to the formulated question or command[[;]] and format transmitting an electronic message associated with the received response for presentation to the user.

29. (Currently Amended) The method according to claim 28, wherein the speech unit includes further comprising coding the electronic signal using at least one of a speech coder, an array microphone that receives the natural language speech utterance, a speech coder that encodes the natural language speech utterance into the electronic signal, and or a filter that

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optimizes a the electronic signal coded using an adaptive lossy audio compression to noise

ratio of the encoded natural language speech utterance.

30. (Previously Presented) The method according to claim 28, the wherein the selected

domain agent includes data for controlling or communicating with at least one of a navigation

system, a vehicle monitoring system, a security system, a vehicle control system, or a vehicle

media system.

31. (Previously Presented) The method according to claim 28, wherein the selected

domain agent includes data associated with at least one of driving directions, travel

information, restaurant information, vehicle systems information, safety information, or

entertainment information.

32. (Currently Amended) The method according to claim 28, wherein the communicatively

coupled services include at least one remotely located service and the selected domain agent

includes data for controlling or communicating with [[a]] the remotely located service.

33. (Currently Amended) The method according to claim 32, wherein forwarding the

formulated question identified query or command to the selected domain agent architecture

includes transmitting a request to the remotely located service.

34. (Previously Presented) The method according to claim 33, wherein the remotely

located service is associated with a remotely located device.

35. (Currently Amended) The method according to claim 33, wherein the transmitted

request is transmitted to the remotely located service via a communication network.

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36. (Currently Amended) The method according to claim <u>32</u>, wherein the remotely located

service includes at least one of a payment service provider, a customer relationship

management system, a specialized service, a location service, or an emergency service.

37. (Currently Amended) The method according to 33, wherein the request is transmitted

to the remotely located service via a wide-area RF transceiver.

38. (Currently Amended) The method according to [[28]] 29, wherein further comprising

filtering the filter received user generated natural language speech utterance to remove

removes background noise to optimize the signal to noise ratio of the encoded natural

language speech utterance.

39. (Currently Amended) The method according to [[38]] 29, wherein filtering the filter

received user generated natural language speech utterance includes employing employs at

least one of adaptive echo cancellation or adaptive lossy audio compression to optimize the

signal to noise ratio of the encoded natural language speech utterance.

40. (Cancelled)

41. (Currently Amended) The method according to claim 28, wherein the communicatively

coupled services include one or more further comprising retrieving data from a network

resource shared by a plurality of devices, the shared network resources resource including at

least one of a speech unit, a natural language speech processing system, a transceiver, the

plurality of agents, user profiles, event histories, or dialogue histories.

42. (Currently Amended) The method according to claim 41, wherein the shared network

resource is associated with resources include a telematics control unit that interfaces with one

or more devices on a vehicle.

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43. (**Currently Amended**) The method according to claim 42, wherein the shared network resources further include at least one resource [[is]] located remotely from the vehicle.

44-56. (Cancelled)